

CLAIM AMENDMENTS

Please replace the claims with the following list of claims:

LISTING OF CLAIMS

1. (Currently Amended) A wireless communication device comprising:
an input terminal that communicates data with a processor;
a segregation circuit, coupled to the input terminal that identifies predetermined data and separates incoming high-priority data from incoming low-priority data to produce segregated data;
a memory that stores a parameter relevant to the wireless communication protocol;
~~a modem, coupled to the segregation circuit and the memory, that communicates using a wireless protocol over a wireless channel; and~~
a framer, coupled to the segregation circuit and the memory, that fragments the ~~incoming high-priority data and the incoming low-priority~~ segregated data based at least in part on the parameter stored in the memory.
2. (Currently Amended) The wireless communication device of claim 1, wherein the memory stores a fragmentation threshold parameter that is set to be greater than the length of the incoming high-priority data and less than the length of the incoming low-priority data~~[[;]]~~ and the framer ~~[[that]]~~ frames the ~~incoming high-~~

~~priority data and the incoming low-priority~~ segregated data based at least in part of the fragmentation threshold parameter.

3. (Previously Presented) The wireless communication device of claim 1, wherein the predetermined data is video data, the high-priority data is video control data, and the low-priority data is video payload data.

4. (Previously Presented) The wireless communication device of claim 2, wherein the predetermined data is video data, the high-priority data is video control data, and the low-priority data is video payload data.

5. (Previously Presented) The wireless communication device of claim 3, wherein the video data are Moving Picture Experts Group-2 (MPEG-2) format video data.

6. (Previously Presented) The wireless communication device of claim 4, wherein the video data are Moving Picture Experts Group-2 (MPEG-2) format video data.

7. (Currently Amended) A method of communicating between wireless modems using a wireless communication protocol, comprising:

storing a parameter relevant to the wireless communication protocol;

identifying, by a segregation circuit, predetermined data;

separating, by the segregation circuit, incoming high-priority data from incoming low-priority data to produce segregated data;

framing the ~~incoming high-priority data and the incoming low-priority~~ segregated data based at least in part on the parameter; and

communicating the framed data using the wireless communication protocol over a wireless channel ~~with at least one other modem~~.

8. (Previously Presented) The method of claim 7, further comprising:

setting a fragmentation threshold parameter to be greater than the length of the incoming high-priority data and less than the length of the incoming low-priority data, wherein the parameter comprises the fragmentation threshold parameter; and ~~further wherein the framing step comprises~~

framing the ~~incoming high-priority data and incoming low-priority~~ segregated data based at least in part on the fragmentation threshold parameter.

9. (Previously Presented) The method of claim 7, wherein the identifying step further comprises:

identifying video data; and

segregating the video data, wherein video control data are high-priority data and video payload data are low-priority data.

10. (Previously Presented) The method of claim 8, wherein the identifying step further comprises:

identifying video data; and

segregating the video data, wherein video control data are high-priority data and video payload data are low-priority data.

11. (Previously Presented) The method of claim 9, wherein the video data are Moving Picture Experts Group-2 (MPEG-2) format video data.

12. (Previously Presented) The method of claim 10, wherein the video data are Moving Picture Experts Group-2 (MPEG-2) format video data.

13. (New) The wireless communication device of claim 1, wherein the segregation circuit is outside of a modem.

14. (New) The wireless communication device of claim 1, wherein the segregation circuit is coupled between a modem and a data input / output (I/O) terminal.

15. (New) The wireless communication device of claim 1, wherein the segregation circuit only operates on input data.